

Data archiving: Dryad repository & journal Supplementary Online Materials (SOM)



For many journals, supplementary materials have grown rapidly. Many different kinds of information may be stored in supplemental material, including additional information on methods, appendices, derivations, additional supporting analyses, software, and large amounts of data. This latter category of material is appropriate for Dryad. Additional value over supplemental online material is provided by all of the aspects of Dryad that make it a repository.

	Dryad	SOM
Discoverable: indexed and exposed to both web and bibliographic search engines	✓	X
Identifiable: Data DOIs within articles serve as permanent, resolvable identifiers	✓	X*
Permanent: processes in place to promote preservation (incl. format migration)	✓	✓/X**
Curated: quality control by both automated processes and human inspection	✓	X*
Ease of deposit: streamlined deposit, allowance for large and complex datasets	✓	✓/X**
Formatted for reuse: support for non-PDF file formats	✓	✓/X**
Updatable: new versions of data files can be added, metadata can be enhanced	✓	X
Support for embargoes: can delay release of data in accordance with journal policy	✓	X
Free reuse: no paywall, clear terms of reuse (all data released under CC Zero)	✓	✓/X**
Economy of scale: cost efficiency from shared infrastructure	✓	✓/X**
Alignment to organizational mission: focus on archiving and reuse of scientific data	✓	X

* A few publisher SOM sites are exceptions to the general rule

** Practices differ among publishers, see Smit (2011), doi:10.1045/january2011-smit